

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10589208"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/11 08:48
S2	1	("20030073805").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 08:49
S3	1	("6071434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 08:49
S5	0	(208/251).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/11 08:51
S9	623	(208/251R).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:52
S10	332	(208/263).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:52
S11	290	(423/1).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:52
S12	111	(554/176).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:53
S15	157	(558/155).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:57
S16	338	(528/287).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:57
S17	337	(252/389.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 08:58
S18	1	("6767989").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/11 09:01
S19	438	(528/398).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 09:01
S20	132	(562/20).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 09:02
S21	4	soap control agent	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/11 09:04
S28	1	("6569974").PN.	US-PGPUB; USPAT	OR	OFF	2009/02/11 10:45
S29	623	(208/251R).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 10:46

S34	869	((208/251R) or (208/252) or (208/253)).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/02/11 17:47
S37	2	(("3966630") or ("4886617")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 17:51
S44	1	("4680329").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/11 18:01
S52	1	("4618411").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 12:19
S53	405859	(crude\$1 or crude oil\$1 or crude petrol\$4) or (heavy oil\$1) or (raw (petrol\$4 or oil\$1)) or (unprocessed (petrol\$4 or oil\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:25
S54	888045	(naphthenic\$1 or naphthenate\$1) or (carboxylic\$1) or (fatty acid \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:26
S55	145722	S53 and S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:27
S56	2	("3483925").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 12:32
S57	1	("5171460").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 12:35
S58	3095	(calcium naphthenate) or (sodium naphthenate) or (magnesium naphthenate) or (iron naphthenate) or (calcium carboxylate) or (magnesium carboxylate) or (iron carboxylate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:44
S59	612	S55 and S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:45
S60	80	S59 and (sequester\$3 or chelat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:45

S61	221	S59 and soap\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:52
S63	30	S61 and S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:53
S65	191	S61 not S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:55
S66	38	S65 and (phosphorus or phosphinate\$1 or phosphonate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 12:55
S69	1	("5008026").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 13:31
S70	16	("5008026").URPN.	USPAT	ADJ	OFF	2009/02/12 13:31
S74	10021	phosphorus with polymer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 13:46
S77	51	(phosphorus with polymer) and ((calcium naphthenate) or (sodium naphthenate) or (magnesium naphthenate) or (iron naphthenate) or (calcium carboxylate) or (magnesium carboxylate) or (iron carboxylate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 13:47
S78	57	((phosphonate\$1 or phosphinate\$1 or phosphorus) with polymer) and ((calcium naphthenate) or (sodium naphthenate) or (magnesium naphthenate) or (iron naphthenate) or (calcium carboxylate) or (magnesium carboxylate) or (iron carboxylate))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 13:53

S80	2586102	("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:07
S85	20219	((("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and (phosphino\$1 or phosphinate\$1 or phosphonate\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:10
S86	16458	((("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and (phosphino\$1 or phosphinate\$1 or phosphonate\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:10
S87	9645	((("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and (phosphino\$1 or phosphinate\$1 or phosphonate\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:11

		or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and (scale\$1 or soap\$1 or corrosion)				
S89	846	((("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and (scale\$1 or soap\$1 or corrosion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:11
S90	340	((("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and ((scale\$1 or soap\$1 or corrosion) with inhibit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:14
S91	266	((("Mg.sup.2+" OR "Ca.sup.2+" OR "Na.sup.+" OR "Fe.sup.2+" OR "Fe.sup.3+") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3+) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:14

		(napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and ((scale\$1 or soap\$1 or corrosion) inhibit\$4)				
S92	206	((("Mg.sup.2+ " OR "Ca.sup.2+ " OR "Na.sup.+ " OR "Fe.sup.2+ " OR "Fe.sup.3 + ") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3 +) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1 or crude\$1 or oil\$1) and ((scale\$1 or soap\$1 or corrosion) inhibit\$4)) not (lubricant\$1 or lubricat\$3 oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:17
S93	11	((("Mg.sup.2+ " OR "Ca.sup.2+ " OR "Na.sup.+ " OR "Fe.sup.2+ " OR "Fe.sup.3 + ") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3 +) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1) with polymer\$1) and (napthenate\$1 or carboxylate\$1) and (remov\$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1) and ((scale\$1 or soap\$1 or corrosion) inhibit\$4)) not (lubricant\$1 or lubricat\$3 oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:22

S94	11	((("Mg.sup.2+ " OR "Ca. sup.2+ " OR "Na.sup.+ " OR "Fe.sup.2+ " OR "Fe.sup.3 + ") OR (Mg2+ OR Ca2+ OR Na+ OR Fe2+ OR Fe3 +) OR (magnesium OR calcium OR sodium OR iron OR iron(II) OR iron(S52) OR iron(III) OR iron(S53))) and ((phosphino\$1 or phosphinate\$1 or phosphonate\$1 or phosphino) with polymer \$1) and (naphthenate\$1 or carboxylate\$1) and (remov \$3 or inhibit\$4 or chelat\$3 or sequester\$3) and (crude oil\$1) and ((scale\$1 or soap \$1 or corrosion) inhibit\$4)) not (lubricant\$1 or lubricat \$3 oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 14:28
S95	218573	(chelate\$3 or sequester\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:46
S96	36969	S95 and (naphthenate\$1 or carboxylate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:46
S97	17260	S96 and (inhibit or inhibits or inhibition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:47
S98	476	S97 and (metal ion\$1 with (remov\$3 or extract\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:50
S99	5385	S95 and (metal ion\$1 with (remov\$3 or extract\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:53

S100	139	S98 and (phosphorus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:55
S101	144	S98 and (phosphino or phosphinate\$1 or phosphonate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:55
S102	5	S98 and ((phosphino or phosphinate\$1 or phosphonate\$1) with (polymer or telomer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:56
S103	7	S98 and (phosphorus with (polymer or telomer))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 15:56
S104	4221	(crude oil) and (metal with (remov\$3 or extract\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:06
S105	288	(crude oil) and (metal with (remov\$3 or extract\$4)) and (chelate\$3 agent\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:07
S106	30	(crude oil) and (metal with (remov\$3 or extract\$4)) and ((chelate\$3 agent\$1) same (polymer\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:07
S107	12	(crude oil) and (metal with (extract\$4)) and ((chelate\$3 agent\$1) same (polymer\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:11
S108	1	("6071434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 16:17
S109	1	("5980776").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 16:18
S110	1	("6814885").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 16:18



S111	900	(Rhodia).asnm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:23
S112	15	(Rhodia).asnm. and (naphthenate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/12 16:23
S113	2	(Albright & Wilson).asnm. and (naphthenate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:48
S114	1568	(magnesium or calcium or sodium or iron) and (chelate \$4) and ((phosphorus or phosphonate or phosphinate) with polymer \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S115	26	(magnesium or calcium or sodium or iron) and (chelate \$4) and ((phosphorus or phosphonate or phosphinate) with polymer \$1) and (crude oil)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S116	6	(magnesium or calcium or sodium or iron) and (chelate \$4) and ((phosphorus or phosphonate or phosphinate) with polymer \$1) and (metal extract\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S117	726	(magnesium or calcium or sodium or iron) and (chelate \$4) and ((phosphorus or phosphonate or phosphinate) with polymer \$1) and (extract\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:50
S118	6	(magnesium or sodium or iron) and (chelate\$4) and ((phosphorus or phosphonate or phosphinate) with polymer \$1) and (metal extract\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:51
S119	31	(magnesium or calcium or sodium or iron) and (chelate \$4 or sequester\$3) and ((phosphorus or phosphonate or phosphinate) with polymer \$1) and (crude oil)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:57

S120	28	((magnesium or calcium or sodium or iron) and (chelate\$4 or sequester\$3) and ((phosphorus or phosphonate or phosphinate) with polymer\$1) and (crude oil) and (extract\$3 or remov\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 12:58
S121	4833	((naphthenate\$1 and scal\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:04
S122	2	((("3462365").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:05
S123	5	((("4678605") or ("5047325") or ("5863415") or ("6214777") or ("6663841")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:18
S124	35284	((magnesium or calcium or sodium or iron) naphthenate) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:32
S125	5212	((magnesium or calcium or sodium or iron) naphthenate) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron)) and (crude oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:32
S126	3753	((magnesium or calcium or sodium or iron) naphthenate) and (inhibit\$3)) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron)) and (crude oil\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:33
S127	816	((magnesium or calcium or sodium or iron) naphthenate) and (inhibit\$3)) or ((naphthenic or naphthenate) and (magnesium or calcium or sodium or iron)) and (crude oil\$1) (extract\$3 or remov\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/16 13:33
S128	3	((("2143991") or ("4192767")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/16 13:50

S129	5766	(calcium or magnesium or iron or sodium) soap\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:17
S130	1070	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:18
S131	108	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4) and crude oil\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:18
S132	3	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4) and (crude oil\$1) and (chelate\$4 or sequester\$4 or sequestrant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:19
S133	2	("3330347").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/18 16:21
S134	14	("3330347").URPN.	USPAT	ADJ	OFF	2009/02/18 16:21
S135	10	("3025911"   "3330347"   "3344858"   "3414053"   "3581824"   "3777818").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/18 16:23
S136	2	("3921714").URPN.	USPAT	ADJ	OFF	2009/02/18 16:24
S137	3	((calcium or magnesium or iron or sodium) soap\$1) and (naphthen\$4) and (crude oil\$1) and (chelate\$4 or sequester\$4 or sequestrant or chelant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:29
S138	39	((calcium or magnesium or iron or sodium)(naphthen\$4)) and (crude oil\$1) and (chelate\$4 or sequester\$4 or sequestrant or chelant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/18 16:30
S139	1	("4895664").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/18 16:41
S140	3	((phosphinate or phosphonate or phosphino or phosphorus) with polymer) and (metal\$1 extraction\$1 or metal ion \$1 extraction\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 10:06

S141	752	((phosphinate or phosphonate or phosphino or phosphorus) with polymer) and (soap\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 10:12
S142	675	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant \$1) builder\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:01
S143	566	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphorus or phosphonate\$1 or phosphinate\$1 or phosphate\$1 or phosphino \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:01
S144	10	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphino\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S145	551	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S146	11	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphinate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S147	256	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphonate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02
S148	203	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant \$1) builder\$1) and (phosphorus)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:02

S149	27	(soap\$1 OR detergent\$1 or cleaner\$1) and ((chelate\$4 or sequestra\$5 or chelant\$1) builder\$1) and (phosphonate\$1 with polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/19 13:30
S150	2	((("20050167320") or ("20050145543")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/19 14:06
S151	2	((("20050139522") or ("20050155908")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/19 14:06
S152	154936	(chelate\$3 or sequest\$6) and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2+") or ("Fe.sup.3+")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:34
S153	23785	(chelate\$3 or sequest\$6) with (polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:34
S154	17611	S152 and S153	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:34
S155	957	S154 and ((phosphonate\$1 or phosphinate\$1 or phosphonic\$1) with polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:35
S156	18	S155 and (crude oil)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:35
S157	46	S155 and (crude oil\$1 or oil well\$1 or squeeze treatment\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:36
S158	1	("5271863").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 09:43
S159	9	("3355270"   "3703473"   "4105690"   "4130582"   "4217235"   "4749468"   "4847415").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/23 09:44

S161	3	("5271863").URPN.	USPAT	ADJ	OFF	2009/02/23 09:45
S162	2	S161 and (phosphonate\$1 or phosphinate\$1 or phosphonic\$1)	USPAT	ADJ	OFF	2009/02/23 09:45
S163	16	((("4490308") or ("4546156") or ("4604431") or ("4647381") or ("4676911") or ("4678840") or ("4680339") or ("4703092") or ("4777894") or ("4777219") or ("4801388") or ("4997890") or ("5004786") or ("5120797") or ("5143622") or ("5179173")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 09:51
S164	4	S163 and ((phosphonate\$1 or phosphinate\$1 or phosphonic\$1) with polymer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 09:52
S167	1	("6071434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 10:16
S168	1	("4046707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 10:23
S169	154936	(chelate\$3 or sequest\$6) and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2+") or ("Fe.sup.3+")))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S170	23785	(chelate\$3 or sequest\$6) with (polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S171	17611	S169 and S170	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26

S172	957	S171 and ((phosphonate\$1 or phosphinate\$1 or phosphonic\$1) with polymer\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S173	42	S172 and (crude oil\$1 or oil well\$1 or squeeze treatment\$1) and (naphthen\$4 or carboxyl \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:26
S174	4	S172 and (crude oil\$1 or oil well\$1 or squeeze treatment\$1) and (naphthen\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 11:27
S175	2	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1) end cap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:03
S178	6	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1) end cap \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:04
S179	2738	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:05
S180	862	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1)) and (chelate\$4 or sequest\$6 or chelant\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:06
S181	187	(crude oil\$1 or oil well\$1 or squeeze treatment\$1) and ((phosphinate\$1 or phosphonate\$1)) and ((chelate\$4 or sequest\$6 or chelant\$1) same polymer \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:06
S182	11	S181 and (naphthen\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:09

S183	128	S181 and (carboxylic\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:10
S184	103	S181 and (carboxylate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:10
S187	1248	((((208/251R)) or ((208/256)) or ((208/257))).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:16
S188	58	S187 and (chelate\$4 or chelant\$1 or sequest\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:17
S189	422	S187 and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or (("Mg.sup.2 +") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe.sup.2 +") or ("Fe.sup.3+"))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:18
S190	40	S188 and S189	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:18
S191	83	S187 and (((((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or (("Mg. sup.2+") or ("Ca.sup.2+") or ("Na.sup.+") or ("Fe. sup.2+") or ("Fe.sup.3 +")))) with (remov\$3 or extract\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:19
S192	18	S191 and S188	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:19



S193	20	("2976233"   "3052627"   "3153623"   "3167500"   "3317421"   "3322664"   "3449243"   "4280897"   "4431524"   "4432865"   "4439345"   "4539099"   "4568450").PN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/02/23 12:31
S199	11	"1642497"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:32
S200	3	("4778592").URPN.	USPAT	ADJ	OFF	2009/02/23 12:35
S201	1	S200 and naphthenate\$1	USPAT	ADJ	OFF	2009/02/23 12:38
S202	260	S187 and (chelate\$4 or chelant\$1 or sequest\$7 or complex\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:42
S203	162	S189 and S202	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:42
S204	59	S189 and S202 and naphthen\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 12:43
S205	1	("5018577").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 12:53
S206	1	S187 and (((magnesium or calcium or sodium or iron) with ion\$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2 +") or ("Ca.sup.2+") or ("Na.sup.+" ) or ("Fe.sup.2 +") or ("Fe.sup.3+" ))) and (phosphinate\$1 or phosphonate\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:02

S207	12526	((magnesium or calcium or sodium or iron) with ion \$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+" or "Ca.sup.2+" or "Na.sup.+" or "Fe.sup.2+" or "Fe.sup.3+")) and (naphthenate\$1 or naphthenic salt\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:43
S208	1838	((magnesium or calcium or sodium or iron) with ion \$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+" or "Ca.sup.2+" or "Na.sup.+" or "Fe.sup.2+" or "Fe.sup.3+")) and (naphthenate\$1 or naphthenic salt\$1) and (chelate\$4 or chelant\$1 or sequest\$7)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:43
S209	5428	((magnesium or calcium or sodium or iron) with ion \$1) or (Mg or Ca or Na or Fe) or ("Mg.sup.2+" or "Ca.sup.2+" or "Na.sup.+" or "Fe.sup.2+" or "Fe.sup.3+")) and (naphthenate\$1 or naphthenic salt\$1) and (inhibit\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:44
S210	934	S208 and S209	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:44
S211	111	S208 and S209 and (magnesium or calcium or sodium or iron) naphthenate\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:44
S212	4	S211 and ((magnesium or calcium or sodium or iron) naphthenate\$1) with inhibit \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/02/23 13:45
S213	1	("6071434").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/23 14:47

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